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PTO/SB/21 (08-00)
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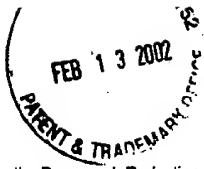
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/341,505
		Filing Date	July 12, 1999
		First Named Inventor	JACKSON, STEPHEN PHILIP
		Group Art Unit	1653
		Examiner Name	ROBINSON, H.
		Attorney Docket Number	MEWE-005
Total Number of Pages in This Submission		13	
ENCLOSURES (check all that apply)			
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group	
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences	
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)	
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information	
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter	
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):	
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Change of Correspondence Address	1. Return Receipt Postcard	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Terminal Disclaimer		
<input type="checkbox"/> Certified Copy of Priority Documents	<input type="checkbox"/> Request for Refund		
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> CD, Number of CD(s) _____		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual Name	PAMELA J. SHERWOOD, Reg. No. 36.677		
Signature			
Date	January 22, 2002		

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: January 22, 2002.			
Typed or printed name	Susan M. Alessi		
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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)**110.00**

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit overpayments to:
Deposit Account Number **50-0815**
Deposit Account Name **Bozicevic, Field & Francis LLP**
☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
☐ Applicant Claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

2. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	
108 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1)

1. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
8-20**	=	X	=
Indep. Claims 4-3**	=	X	=
Multiple Dependent	=		

Large Entity Fee Code	Small Entity Fee Code	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$

**or number previously paid, if greater; For Reissues, see above.

Complete if Known

Application Number	09/341,505
Filing Date	July 12, 1999
First Named Inventor	JACKSON, STEPHEN PHILIP
Examiner Name	ROBINSON, H.
Group Art Unit	1653
Attorney Docket No.	MEWE-005

FEE CALCULATION (continued)

Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examination action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 460	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 740	246 370	For each additional invention to be examined (37 CFR § 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**110.00**

SUBMITTED BY

Name (Print/Type)	Pamela J. Sherwood	Registration No. (Attorney/Agent)	36,877	Telephone	(650) 327-3400
Signature		Date	01/22/2002		

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Typed or Printed Name	Susan M. Alessi	
Signature	<i>Susan M. Alessi</i>	Date 01-22-2002

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AMENDMENT UNDER 37 C.F.R. § 1.116 Address to: Box AF Assistant Commissioner for Patents Washington, D.C. 20231	Attorney Docket Confirmation No.	MEWE-005 5221
	First Named Inventor	Jackson et al.
	Application Number	09/341,505
	Filing Date	July 12, 1999
	Group Art Unit	1653
	Examiner Name	H. Robinson
	Title	ASSAYS, AGENTS, THERAPY AND DIAGNOSIS RELATING TO MODULATION OF CELLULAR DNA REPAIR ACTIVITY

Sir:

This response is responsive to the Final Office Action dated September 21, 2001. In view of the amendments to the claims and the remarks put forth below, reconsideration and allowance are respectfully requested.

Please make the following amendments.

IN THE CLAIMS

1. (amended) An assay method for a compound which inhibits the binding between XRCC4 (XR-1 Cell Complementing 4) and DNA ligase IV, or XRCC4 and DNA-PK_{CS}/Ku (DNA-dependent Protein Kinase catalytic subunit/Ku) , or XRCC4, DNA ligase IV and DNA-PK_{CS}/Ku, the method comprising the steps of:

(i) bringing into contact XRCC4, a test compound and one or more components selected from the group consisting of DNA ligase IV and DNA-PK_{CS}/Ku; under conditions wherein, in the absence of said test compound being an inhibitor of binding, said XRCC4 binds to said one or more components selected from the group consisting of DNA ligase IV and DNA-PK_{CS}/Ku; and